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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

	Application Number	10/629,268	
	Filing Date	July 29, 2003	
	First Named Inventor	Paul G. Cairns et al.	
	Art Unit	N/A; Confirmation No.: 6684	
	Examiner Name	N/A	
Total Number of Pages in This Submission	8	Attorney Docket Number	414-29494-US

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Postcard; six (6) sheets of formal drawings (Fig. 1-10B)
<b>Remarks</b> The commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account No. 02-0429 (414-29494-US)		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Kaushik P. Sriram, Reg. No. 43,150
Signature	
Date	January 30, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	Beth Pearson-Naul
Signature	
Date	January 30, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Paul G. Cairns et al.	§	
		§	Group Art Unit: N/A
Serial No.:	10/629,268	§	
		§	Examiner: N/A
Filed:	July 29, 2003	§	
		§	Atty. Docket: 414-29494-US
Title:	"Measurement-While-Drilling Assembly	§	
	Using Real-Time Toolface Oriented	§	Confirmation No.: 6684
	Measurements"	§	

Mail Stop: PGPUB DRAWINGS  
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**SUBMISSION OF FORMAL DRAWINGS**

Enclosed is one set of formal drawings consisting of six (6) sheets containing Figures 1 through 10B for the above-referenced patent application.

The commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. **02-0429 (414-29494-US)**.

Respectfully submitted,

Date: January 30, 2004

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I hereby certify that this paper, along with any referred to as being attached or enclosed, is being forwarded to MS PGPub Drawings, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450, via the United States Postal Service, First Class Mail, prepaid, on the 30th day of January, 2004.

  
Beth Pearson-Naul